

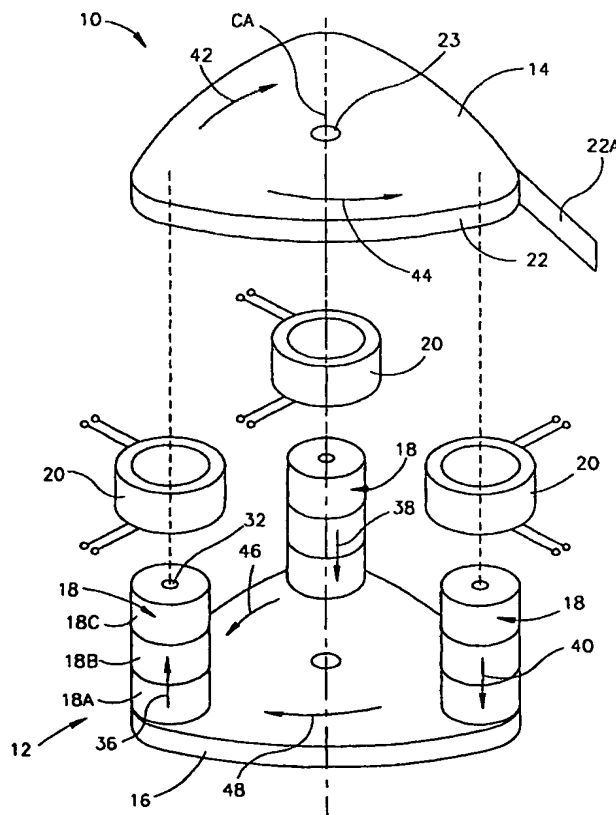


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(21) International Application Number: PCT/IL99/00562 (22) International Filing Date: 25 October 1999 (25.10.99) (30) Priority Data: 126748 26 October 1998 (26.10.98) IL (71) Applicant (for all designated States except US): A.T.T. ADVANCED TRANSFORMER TECHNOLOGIES (1998) LTD. [IL/IL]; Ha'atzmaut Street 1, 40500 Even Yehuda (IL). (72) Inventors; and (75) Inventors/Applicants (for US only): BOLOTINSKY, Yuri [IL/IL]; Rabbi Akiva Street 36/13, 42447 Netanya (IL). RUBSHTAIN, Alexander [IL/IL]; Shvat Street 2/3, 78723 Ashkelon (IL). SAVULKIN, Michael [IL/IL]; Rafael Anakvi Street 9a/31, 42499 Netanya (IL). (74) Agent: REINHOLD COHN AND PARTNERS; P.O. Box 4060, 61040 Tel Aviv (IL).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: A THREE-PHASE TRANSFORMER**(57) Abstract**

A three-phase transformer is presented comprising a magnetic circuit and three coil blocks. The magnetic circuit comprises two spaced-apart, parallel, plate-like elements; and three spaced-apart, parallel column-like elementary circuits. Each of the column-like elementary circuits carries the corresponding one of the three coil blocks, and serves for the corresponding one of the three phases. The column-like elementary circuits are substantially perpendicular to the plate-like elements, and are enclosed therebetween such as to form a spatial symmetrical structure about a central axis of the transformer.



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